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(54) Title: GLYCOSYLATION VARIANTS OF RICIN-LIKE PROTEINS

(57) Abstract: The present invention provides glycosylation variants of recombinant proteins and nucleic acids that encode such recombinant proteins, which are useful as therapeutics against cancer, and viral, parasitic and fungal infections. The proteins and nucleic acids have A and B chains of ricin-like toxin linked by a linker sequence that is specifically cleaved and activated by proteases specific to disease-associated pathogens or cells. The invention also relates to methods of inhibiting or destroying cells affected by a disease, methods of treating a mammal with a disease, and pharmaceutical compositions using the recombinant proteins and nucleic acids of the invention.